\$	777 777 777 777 777 777 777 777 777	**************************************	\$	
\$\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$ \$\$\$ \$\$\$	YY		\$	
\$\$\$ \$\$\$\$\$\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	YYY YYY YYY YYY		\$\$\$ \$\$\$\$\$\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$	

ZS

25

ZS

ZS

ZS

ZS

ZS

ZS

ZS

ZS 28

28

\$	**************************************	\$	AAAAAAA AA AA AA AA AA AA AA AA	DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	וון	\$	111
		\$					
	1111111	\$					

- SYSTEM SERVICE ADJUST OUTER MODE STACK 16-SEP-1984 01:37:40 VAX/VMS Macro VO4-00 SYSADJSTK Table of contents (1) ADJUST OUTER MODE STACK POINTER

- SYSTEM SERVICE ADJUST OUTER MODE STACK 16-SEP-1984 01:37:40 5-SEP-1984 03:48:34 VAX/VMS Macro V04-00 LSYS.SRCJSYSADJSTK.MAR: 1

(1)

SY:

SYSADJSTK - SYSTEM SERVICE ADJUST OUTER MODE STACK POINTER

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D. N. CUTLER 9-JAN-77

MODIFIED BY:

TMK0001 Todd M. Katz 19 Change a BSBW (to EXESEXPANDSTK) to a JSB. V03-003 TMK0001 19-Nov-1983

V03-002 SRB0068 SRB0068 Steve Beckhardt Removed most of ACG0310. 22-Feb-1983

V03-001 ACG0310 Andrew C. Goldstein, 31-J Fix stack adjustment when stack is expanded 31-Jan-1983 13:37

RIHO031 RICHARD I. HUSTVEDT 6-AUG-1 ADD CALL TO EXESEXPANDSTK TO IMPLEMENT AUTOMATIC STACK EXPANSION FOR USER MODE STACK. 02 6-AUG-1979

SYSTEM SERVICE ADJUST OUTER MODE STACK POINTER

MACRO LIBRARY CALLS

SPSLDEF SSSDEF

DEFINE PROCESSOR STATUS FIELDS

LOCAL SYMBOLS

ARGUMENT LIST OFFSET DEFINITIONS

SYSADJSTK VO4-000

- SYSTEM SERVICE ADJUST OUTER MODE STACK 16-SEP-1984 01:37:40 VAX/VMS Macro V04-00 5-SEP-1984 03:48:34 [SYS.SRC]SYSADJSTK.MAR;1

Page

SY

58 ; 59 60 ACMODE=4 61 ADJUST=8 62 NEWADR=12

ACCESS MODE TO ADJUST STACK POINTER FOR 16-BIT SIGNED ADJUSTMENT VALUE ADDRESS OF LONGWORD TO STORE UPDATED VALUE

SY

NEWADR (AP), R5

; GET ADDRESS TO STORE NEW STACK VALUE

#0.#2, ACMODE (AP), R3
; GET ACCESS MODE TO MODIFY STACK POINTER FOR

R2

#PSL\$V_PRVMOD.#PSL\$S_PRVMOD.R2,R3; PREVIOUS MODE MORE PRIVILEGED?

508

; IF GEQ NO DO EF DC ED 18 55 AC 00 52 16 55 53 02 53 52 02 BGEQ CAN NEW STACK VALUE BE WRITTEN? #4, (R5), 40\$ IFNOWRT (R5),R6 10\$ D02B20E502 56 58: MOVL BNEQ IF NEQ VALUE SPECIFIED 56 MFPR GET ADJUSTMENT VALUE CALCULATE NEW TOP OF STACK ALLOCATION OF STACK SPACE? 08 AC 50 50 105: CVTWL ADJUST (AP), RO 56 RO, RO RO, RO 30\$ ADDL MNEGL BLEQ IF LEG NO COPY NEW STACK VALUE SET ADDITION CONSTANT R6 R1 #-4x200.R2 R0.(R1),40\$,R3 MOVL FE00 CVTWL CAN ALLOCATED STACK SEGMENT BE WRITTEN? UPDATE ADDRESS IN STACK UPDATE REMAINING LENGTH IF GEO MORE TO CHECK 20\$: FNOWRT 22 3E 18 DA R2,R1 (RO)[R2],RO 20\$ 6042 SUBL 50 BGEQ F1 53 305: R6.R3

	SY

		- SY	STEM S	ERVICE ER MOD	ADJUST E STACK	OUTER M POINTER	100E STACK 16-SEP-1984	01:37:40 03:48:34	VAX/VMS Macro VO ESYS.SRCJSYSADJS	4-00 TK.MAR;1	Page	(1)
65 50	56 01	30	0049 004¢	121		MOVZWL	R6.(R5) #S\$\$_NORMAL.RO	STORE	NEW STACK VALUE ORMAL COMPLETION			
53	03	D1 12	0050	125	40\$:	CMPL BNEQ	#PSL\$C_USER,R3 50\$ #^M <r1,r2,r3,r4,r5></r1,r2,r3,r4,r5>	IS TH	IS FOR USER MODE	STACK?		
00000000 B6	3E 51 55 50	D30012806A84C4C4	0055 0057 005A 0060 0062	126 127 128 129 130		CMPL BNEQ PUSHR MOVL JSB POPR BLBS	#^M <r1,r2,r3,r4,r5> R1,R2 EXESEXPANDSTK #^M<r1,r2,r3,r4,r5> R0,5\$</r1,r2,r3,r4,r5></r1,r2,r3,r4,r5>	SAVE STACK AUGME	REGISTERS BASE ADDRESS NT STACK TO MAKE RE REGISTERS			
50	OC	04 30	0065 0066 0069	131	50\$:	MOVZWL	#SS\$_ACCVIO,RO	RETUR	N ERROR CODE CCESS VIOLATION			
50	24	30	006A 006D 006E	134 135 136	60\$:	RET MOVZWL RET	#SS\$_NOPRIV,RO	SET N	O PRIVILEGE			

```
SYS
```

```
- SYSTEM SERVICE ADJUST OUTER MODE STACK 16-SEP-1984 01:37:40 VAX/VMS Macro V04-00 5-SEP-1984 03:48:34 [SYS.SRC]SYSADJSTK.MAR;1
 SYSADJSTK
                                                                                                                                                                                                                                  Page
 Symbol table
                                                         = 00000004
= 00000008
00000000 RG
 ACMODE
ADJUST
EXESADJSTK
EXESEXPANDSTK
                                                             ******
NEWADR
PSL$C_USER
PSL$S_PRVMOD
PSL$V_PRVMOD
SS$_ACCVIO
SS$_NOPRIV
SS$_NORMAL
                                                            00000000
00000003
00000002
00000016
000000024
                                                         =
                                                         =
                                                         =
                                                         =
                                                         =
                                                                                            Psect synopsis
PSECT name
                                                           Allocation
                                                                                                PSECT No.
                                                                                                                    Attributes
                                                                                                                    NOPIC
NOPIC
NOPIC
     ABS
                                                            00000000
                                                                                                                                                                                     NOEXE NORD
EXE RD
EXE RD
                                                                                                                                                                                                                      NOVEC BYTE
NOVEC BYTE
NOVEC BYTE
                                                                                                           0.)
                                                                                                                                  USR
                                                                                                                                              CON
SABSS
                                                            00000000
                                                                                                                                  USR
                                                                                                                                              CON
                                                                                                                                                         ABS
                                                                                                                                                                           NOSHR
                                                                                                                                                                                                                WRT
YSEXEPAGED
                                                            0000006E
                                                                                                                                                                           NOSHR
                                                                                                                                                                                                                WRT
                                                                                      Performance indicators
Phase
                                              Page faults
                                                                          CPU Time
                                                                                                     Elapsed Time
----
                                                                         00:00:00.10
00:00:00.60
00:00:04.25
00:00:00.69
00:00:00.76
00:00:00.02
00:00:00.03
                                                                                                     00:00:00.43
00:00:04.80
00:00:14.53
00:00:02.12
00:00:05.12
00:00:00.03
00:00:00.03
Initialization
Command processing
Pass 1
Symbol table sort
Pass 2
Symbol table output
Psect synopsis output
Cross-reference output
Assembler run totals
                                                                          00:00:06.45
The working set limit was 1200 pages. 22668 bytes (45 pages) of virtual memory were used to buffer the intermediate code. There were 30 pages of symbol table space allocated to hold 451 non-local and 7 local symbols. 137 source lines were read in Pass 1, producing 16 object records in Pass 2. 10 pages of virtual memory were used to define 9 macros.
                                                                                 $-----
                                                                                    Macro library statistics
Macro Library name
```

\$255\$DUA28:[SYS.OBJ]LIB.MLB:1 \$255\$DUA28:[SYSLIB]STARLET.MLB:2 TOTALS (all libraries) Macros defined

516 GETS were required to define 6 macros.

There were no errors, warnings or information messages.

SYSADJSTK - SYSTEM SERVICE ADJUST OUTER MODE STACK 16-SEP-1984 01:37:40 VAX/VMS Macro V04-00 Page (5)
MACRO/LIS=LIS\$:SYSADJSTK/OBJ=OBJ\$:SYSADJSTK MSRC\$:SYSADJSTK/UPDATE=(ENH\$:SYSADJSTK)+EXECML\$/LIB

Vanish Janes Janes Strans Strans Strans Strans

SYS

0381 AH-BT13A-SE

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